

Certificate of Analysis

Produced: Apr 14, 2025

Sample: Coastalo Lemonade 10mg (Edible Liquid) • Client: Urban Artifact (Mail In) • Batch: Pass



Matrix: Edible Liquid
 Density: 1.0295 g/ml
 Category: Infused Edible
 Sample ID: ICM-250409-037
 Collected on: Apr 09, 2025
 Received on: Apr 09, 2025
 Batch Size:
 Sample Size: 2 Units
 Received By: Vanessa Whitehead
 Package Size: 359.32 g

Batch Result: Pass

Potency	Pass	Mycotoxins	Pass
Foreign	Pass	Pesticides	Pass
Metals	Pass	Solvents	Pass
Microbial	Pass		

Cannabinoid Overview

Total THC:	10.780 mg/pkg
Total CBD:	< LOQ

POT-001: Cannabinoids by HPLC-DAD

Analyte	Amt (mg/pkg)	Amt (%)	Amt (mg/ml)	LOD/LOQ (mg/ml)	Analyte	Amt (mg/pkg)	Amt (%)	Amt (mg/ml)	LOD/LOQ (mg/ml)
CBC	ND	ND	ND	0.001/0.003	CBN	< LOQ	< LOQ	< LOQ	0.000/0.001
CBCA	ND	ND	ND	0.001/0.004	CBNA	ND	ND	ND	0.001/0.002
CBCV	ND	ND	ND	0.001/0.002	CBT	ND	ND	ND	0.001/0.002
CBD	< LOQ	< LOQ	< LOQ	0.000/0.002	Δ ⁸ + Δ ⁹ -THC*	10.7796	0.003	0.03	
CBDa	ND	ND	ND	0.001/0.002	Δ ⁸ -THC	< LOQ	< LOQ	< LOQ	0.000/0.001
CBDV	ND	ND	ND	0.001/0.003	Δ ⁹ -THC	10.7796	0.003	0.03	0.000/0.001
CBDVA	< LOQ	< LOQ	< LOQ	0.000/0.001	THCa	< LOQ	< LOQ	< LOQ	0.000/0.002
CBG	ND	ND	ND	0.001/0.002	THCV	< LOQ	< LOQ	< LOQ	0.000/0.001
CBGA	ND	ND	ND	0.001/0.002	THCVA	< LOQ	< LOQ	< LOQ	0.000/0.001
CBL	ND	ND	ND	0.001/0.002	Total THC**	10.7796	0.003	0.03	
CBLA	< LOQ	< LOQ	< LOQ	0.000/0.001	Total CBD**	< LOQ	< LOQ	< LOQ	

* Beyond scope of accreditation

Total THC = THCa * 0.877 + d9-THC; Total CBD = CBDa * 0.877 + CBD; NR= Not Reported, ND= Not Detected, *Reported by Dry Mass*; *analytical instrumentation used Cannabinoids: UHPLC-DAD, Moisture: Mass by Drying, Water Activity: Water Activity Meter, Foreign: Microscope* *Density tested at a temperature range between 19-24 °C, *Water Activity tested at a humidity range between 0-90% Relative Humidity. All OA samples are sampled by the client, All Michigan State Compliant samples sampled using SAMPL-SOP-001.



LCP-001: Chemical Residues by LC-MS/MS

Analyte	Amt (µg/g)	Limit (µg/g)	LOD/LOQ (µg/g)	Pass/Fail
Abamectin	ND	0.5	0.006/0.021	Pass
Acephate	ND	0.4	0.004/0.013	Pass
Acequinocyl	ND	2	0.008/0.025	Pass
Acetamiprid	ND	0.2	0.005/0.017	Pass
Aldicarb	ND	0.4	0.006/0.021	Pass
Azoxystrobin	ND	0.2	0.005/0.017	Pass
Bifenazate	ND	0.2	0.006/0.021	Pass
Bifenthrin	ND	0.2	0.011/0.035	Pass
Boscalid	ND	0.4	0.005/0.018	Pass
Carbaryl	ND	0.2	0.004/0.013	Pass
Carbofuran	ND	0.2	0.005/0.016	Pass
Chlorantraniliprole	ND	0.2	0.005/0.016	Pass
Chlorpyrifos	ND	0.2	0.003/0.011	Pass
Clofentezine	ND	0.2	0.005/0.018	Pass
Daminozide	ND	1	0.011/0.035	Pass
Diazinon	ND	0.2	0.004/0.013	Pass
Dichlorvos	ND	1	0.004/0.013	Pass
Dimethoate	ND	0.2	0.005/0.016	Pass
Ethoprophos	ND	0.2	0.004/0.012	Pass
Etofenprox	ND	0.4	0.005/0.017	Pass
Etoxazole	ND	0.2	0.005/0.017	Pass
Fenoxycarb	ND	0.2	0.006/0.020	Pass
Fenpyroximate	ND	0.4	0.004/0.014	Pass
Fipronil	ND	0.4	0.009/0.028	Pass
Fonicamid	ND	1	0.006/0.021	Pass
Fludioxonil	ND	0.4	0.009/0.031	Pass
Hexythiazox	ND	1	0.005/0.017	Pass
Imazalil	ND	0.2	0.007/0.022	Pass
Imidacloprid	ND	0.4	0.010/0.032	Pass
Kresoxim-methyl	ND	0.4	0.007/0.022	Pass

Analyte	Amt (µg/g)	Limit (µg/g)	LOD/LOQ (µg/g)	Pass/Fail
Malathion	ND	0.2	0.006/0.019	Pass
Metaxalyl	ND	0.2	0.005/0.016	Pass
Methiocarb	ND	0.2	0.004/0.014	Pass
Methomyl	ND	0.4	0.004/0.013	Pass
Myclobutanil	ND	0.2	0.011/0.036	Pass
Naled	ND	0.5	0.006/0.019	Pass
Oxamyl	ND	1	0.005/0.016	Pass
Pacllobtrazol	ND	0.4	0.007/0.022	Pass
Permethrin	ND	0.2		Pass
Permethrin cis	ND		0.002/0.005	N/A
Permethrin trans	ND		0.006/0.019	N/A
Phosmet	ND	0.2	0.004/0.014	Pass
Prallethrin	ND	0.2	0.006/0.021	Pass
Propiconazole	ND	0.4	0.005/0.017	Pass
Propoxur	ND	0.2	0.004/0.014	Pass
Pyrethrins	ND	1		Pass
Pyrethrins Cinerin I	ND		0.002/0.008	N/A
Pyrethrins Jasmolin I	ND		0.001/0.003	N/A
Pyrethrins Pyrethrin I	ND		0.015/0.049	N/A
Pyridaben	ND	0.2	0.005/0.018	Pass
Spinosad	ND	0.2		Pass
Spinosad A	ND		0.004/0.015	N/A
Spinosad D	ND		0.001/0.005	N/A
Spiromesifen	ND	0.2	0.005/0.015	Pass
Spirotetramat	ND	0.2	0.006/0.019	Pass
Spiroxamine	ND	0.4	0.008/0.026	Pass
Tebuconazole	ND	0.4	0.005/0.017	Pass
Thiacloprid	ND	0.2	0.006/0.020	Pass
Thiamethoxam	ND	0.2	0.010/0.032	Pass
Trifloxystrobin	ND	0.2	0.006/0.021	Pass

GCP-001: Chemical Residues by GC-MS/MS

Analyte	Amt (µg/g)	Limit (µg/g)	LOD/LOQ (µg/g)	Pass/Fail
Chlorfenapyr	ND	1	0.036/0.108	Pass
Cyfluthrin	ND	1	0.058/0.174	Pass
Cypermethrin	ND	1	0.045/0.135	Pass
Methyl parathion	ND	0.2	0.014/0.042	Pass

Analyte	Amt (µg/g)	Limit (µg/g)	LOD/LOQ (µg/g)	Pass/Fail
MGK-264	ND	0.2	0.016/0.048	Pass
MGK-264 I	ND			N/A
MGK-264 II	ND			N/A

LCP-001, LCP-004: Mycotoxins by LC-MS/MS

Analyte	Amt (µg/kg)	Limit (µg/kg)	LOD/LOQ (µg/kg)	Pass/Fail
Aflatoxin B1	ND	20	0.810/5.000	Pass
Aflatoxin B2	ND	20	1.690/5.080	Pass
Aflatoxin G1	ND	20	1.760/5.290	Pass

Analyte	Amt (µg/kg)	Limit (µg/kg)	LOD/LOQ (µg/kg)	Pass/Fail
Aflatoxin G2	ND	20	0.970/5.000	Pass
Ochratoxin A	ND	20	1.970/5.770	Pass

RS-001: Residual Solvents by HS-GC-MS

Analyte	Amt (µg/g)	Limit (µg/g)	LOD/LOQ (µg/g)	Pass/Fail
1,2-Dichloroethane	ND	5	0.120/0.360	Pass
2,2-Dimethylbutane*	ND	290	0.329/0.988	Pass
2,2-Dimethylpropane	ND		0.177/0.532	N/A
2,3-Dimethylbutane*	ND	290	0.632/1.896	Pass
2-Methylbutane	ND	5000	0.290/0.870	Pass
2-Methylpentane*	ND	290	0.171/0.514	Pass
3-Methylpentane	ND	290	0.129/0.386	Pass
Acetone	< LOQ	5000	26.000/120.000	Pass
Acetonitrile	ND	410	0.940/12.000	Pass
Benzene	ND	2	0.100/0.310	Pass
Butane	ND	5000		Pass
Butanes all isomers*	ND	5000		Pass
Chloroform	ND	60	0.200/0.600	Pass
Ethanol	ND	5000	4.390/25.000	Pass
Ethyl acetate	ND	5000	0.500/1.500	Pass

Analyte	Amt (µg/g)	Limit (µg/g)	LOD/LOQ (µg/g)	Pass/Fail
Ethylene oxide	ND	50	1.310/3.920	Pass
Ethyl ether	ND	5000	0.450/1.350	Pass
Heptane	ND	5000	0.520/1.570	Pass
Hexane	ND	290		Pass
Hexanes all isomers*	ND	290		Pass
Isobutane*	ND	5000	0.545/1.635	Pass
Isopropyl alcohol	ND	5000	2.580/20.000	Pass
Methanol	ND	3000	4.870/50.000	Pass
Methylene chloride	ND	600	0.460/1.390	Pass
Pentane	ND	5000		Pass
Pentanes all isomers*	ND	5000		Pass
Propane	ND	5000	1.560/4.670	Pass
Toluene	ND	890	0.370/1.110	Pass
Trichloroethylene	ND	80	0.090/0.280	Pass
Total xylenes	ND	2170	0.280/0.830	Pass

* Beyond scope of accreditation

MIC-002: Quantitative Microbial Analysis by Petrifilm Plating

Analyte	Amt (CFU/g)	Pass/Fail

Analyte	Amt (CFU/g)	Pass/Fail



MIC-004: Targeted Microbial Detection by qPCR

Analyte	Amt (CFU/g)	Pass/Fail	Analyte	Amt (CFU/g)	Pass/Fail
Aspergillus spp.	ND	Pass	Shiga toxin-producing E. coli	ND	Pass
Salmonella spp.	ND	Pass			

HM-001: Heavy Metals by ICP-MS

Analyte	Amt (µg/g)	Limit (µg/g)	LOD/LOQ (µg/g)	Pass/Fail	Analyte	Amt (µg/g)	Limit (µg/g)	LOD/LOQ (µg/g)	Pass/Fail
Arsenic	< LOQ	1.5	0.002/0.034	Pass	Lead	0.030	0.5	0.006/0.017	Pass
Cadmium	ND	0.5	0.002/0.005	Pass	Mercury	ND	3	0.003/0.014	Pass
Chromium	ND	2	0.052/0.156	Pass	Nickel	1.465		0.016/0.048	N/A
Copper	0.072		0.006/0.019	N/A					

Notes

Andy Sattler
Apr 11, 2025

Cannabinoids by HPLC-DAD
*CBC, CBGA, CBCV, CBDV, CBDVA, CBGA, CBL, CBLA, CBNA, CBT, THCV, THCVA have not been evaluated by the CRA and are for informational purposes only.

Accreditations**PJLA Accredited****LCP-001: Chemical Residues by LC-MS/MS**

Abamectin, Acephate, Acequinocyl, Acetamiprid, Aldicarb, Azoxystrobin, Bifenazate, Bifenthrin, Boscalid, Carbaryl, Carbofuran, Chlorantraniliprole, Chlorpyrifos, Clofentezine, Daminozide, Diazinon, Dichlorvos, Dimethoate, Ethoprophos, Etofenprox, Etoxazole, Fenoxycarb, Fenpyroximate, Fipronil, Flonicamid, Fludioxonil, Hexythiazox, Imazalil, Imidacloprid, Kresoxim-methyl, Malathion, Metalaxyl, Methiocarb, Methomyl, Myclobutanil, Naled, Oxamyl, Paclotubrazol, Permethrin, Permethrin cis, Permethrin trans, Phosmet, Prallethrin, Propiconazole, Propoxur, Pyrethrins, Pyrethrins Cinerin I, Pyrethrins Jasmolin I, Pyrethrins Pyrethrin I, Pyridaben, Spinosad, Spinosad A, Spinosad D, Spiromesifen, Spirotetramat, Spiroxamine, Tebuconazole, Thiacloprid, Thiamethoxam, Trifloxystrobin

RS-001: Residual Solvents by HS-GC-MS

1,2-Dichloroethane, 2,2-Dimethylpropane, 2-Methylbutane, 3-Methylpentane, Acetone, Acetonitrile, Benzene, Butane, Chloroform, Ethanol, Ethyl acetate, Ethyl ether, Ethylene oxide, Heptane, Hexane, Isopropyl alcohol, Methanol, Methylene chloride, Pentane, Propane, Toluene, Total xylenes, Trichloroethylene

POT-001: Cannabinoids by HPLC-DAD

CBC, CBGA, CBCV, CBD, CBDA, CBDV, CBDVA, CBG, CBGA, CBL, CBLA, CBN, CBNA, CBT, Delta-8-THC, Delta-9-THC, THCA, THCV, THCVA, Total CBD, Total THC

GCP-001: Chemical Residues by GC-MS/MS

Chlorfenapyr, Cyfluthrin, Cypermethrin, MGK-264, MGK-264 I, MGK-264 II, Methyl parathion

MIC-004: Targeted Microbial Detection by qPCR

Aspergillus spp., Salmonella spp., Shiga toxin-producing E. coli

HM-001: Heavy Metals by ICP-MS

Arsenic, Cadmium, Chromium, Copper, Lead, Mercury, Nickel

FFM-001: Foreign Matter by Microscopic Inspection

Inorganic Matter, Organic Matter

MIC-002: Quantitative Microbial Analysis by Petrifilm Plating

Coliforms, Yeast & Mold

